phosphate bound to the starch in the respective reaction preparation was determined after completion of incubation by means of measurement in the scintillation counter. Also presented in the figure is the total for the reaction preparations for which only one of the two enzymes was introduced respectively for the phosphorylation reaction.

Please replace the paragraphs at page 90 lines 6-20 with the following:

The conditions and buffer specified by the manufacturer were used. In addition, the reaction preparation for the first strand synthesis contained the following substances:

3 µg total RNA

5 µM 3'-Primer (OK1rev1: 5'-GACTCAACCACATAACACACAAAGATC) (SEQ ID NO: 18)

0.83 µM dNTP mix

The reaction preparation was incubated for 5 minutes at 75°C and subsequently cooled to room temperature.

The 1st strand buffer, RNase inhibitor and DTT were then added and incubated for 2 minutes at 42°C before 1 µL Superscript RT DNA polymerase was added and the reaction preparation incubated for 50 minutes at 42°C.

Conditions for the amplification of the first strand by means of PCR:

1 µL of the reaction preparation of the first strand synthesis

0.25 µM 3'Primer (OK1rev2: 5'- TGGTAACGAGGCAAATGCAGA) (SEQ ID NO: 19)

0.25 µM 5'Primer (OK1fwd2: 5'-ATCTCTTATCACACCACCTCCAATG) (SEQ ID NO: 20)

Please replace the paragraphs at page 104 line 8 to page 105 line 15 with the following:

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The amplification of the DNA from rice was carried out in five sub-steps.